

FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE  
(REV. 2-2005)TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER

KWO-18902/01

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

10/535230

INTERNATIONAL APPLICATION NO.  
PCT/EP2003/012079INTERNATIONAL FILING DATE  
30 October 2003PRIORITY DATE CLAIMED  
18 November 2002

## TITLE OF INVENTION

MARKER SUBSTANCES AND THE USE OF THE SAME IN DIAGNOSTIC METHODS

## APPLICANT(S) FOR DO/EO/US

GAUCHEL, Gisela

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☒ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☒ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☒ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☒ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

## Items 13 to 23 below concern document(s) or information included:

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☐ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A power of attorney and/or change of address letter.
19. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
- ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
- ☐ A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).
- ☒ Express Mail Label No. EV 615552267 US
- ☒ Other items or information:

APPLICATION DATA SHEET,  
POST CARD

EV615552267US

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25006

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO (if known, see 37 CFR 1.5) <div style="font-size: 2em; font-weight: bold;">10/535230</div>		INTERNATIONAL APPLICATION NO. PCT/EP2003/012079		ATTORNEY'S DOCKET NUMBER KWO-18902/01																			
The following fees are submitted: 24. <input checked="" type="checkbox"/> Basic national fee ..... \$300				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">CALCULATIONS</th> <th style="width:50%;">PTO USE</th> </tr> <tr> <td>\$ 300.00</td> <td></td> </tr> </table>		CALCULATIONS	PTO USE	\$ 300.00															
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25. <input checked="" type="checkbox"/> Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4). ..... \$100 All other situations. .... \$200				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 200.00</td> <td></td> </tr> </table>		\$ 200.00																	
\$ 200.00																							
26. <input checked="" type="checkbox"/> Search fee ..... Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority ..... \$100 International Search Report prepared and provided to the Office ..... \$400 All other situations. .... \$500				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 400.00</td> <td></td> </tr> </table>		\$ 400.00																	
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<b>TOTAL OF 24, 25 and 26 =</b>				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 900.00</td> <td></td> </tr> </table>		\$ 900.00																	
\$ 900.00																							
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																							
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole)	RATE																				
- 100 =	0	/50 =	( )																				
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Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).																							
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:15%;">CLAIMS</th> <th style="width:15%;">NUMBER FILED</th> <th style="width:15%;">NUMBER EXTRA</th> <th style="width:15%;">RATE</th> <td colspan="2"></td> </tr> <tr> <td>Total claims</td> <td>9 - 20 =</td> <td>0</td> <td>x \$18.00</td> <td>\$ 0.00</td> <td></td> </tr> <tr> <td>Independent claims</td> <td>1 - 3 =</td> <td>0</td> <td>x \$88.00</td> <td>\$ 0.00</td> <td></td> </tr> </table>						CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE			Total claims	9 - 20 =	0	x \$18.00	\$ 0.00		Independent claims	1 - 3 =	0	x \$88.00	\$ 0.00	
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Independent claims	1 - 3 =	0	x \$88.00	\$ 0.00																			
MULTIPLE DEPENDENT CLAIMS (if applicable) <input checked="" type="checkbox"/> +				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 360.00</td> <td></td> </tr> </table>		\$ 360.00																	
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<b>TOTAL OF ABOVE CALCULATIONS =</b>				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 1,260.00</td> <td></td> </tr> </table>		\$ 1,260.00																	
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<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 630.00</td> <td></td> </tr> </table>		\$ 630.00																	
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<b>SUBTOTAL =</b>				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 630.00</td> <td></td> </tr> </table>		\$ 630.00																	
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Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 0.00</td> <td></td> </tr> </table>		\$ 0.00																	
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<b>TOTAL NATIONAL FEE =</b>				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 630.00</td> <td></td> </tr> </table>		\$ 630.00																	
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Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 0.00</td> <td></td> </tr> </table>		\$ 0.00																	
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<b>TOTAL FEES ENCLOSED =</b>				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>\$ 630.00</td> <td></td> </tr> </table>		\$ 630.00																	
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				Amount to be \$																			
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a. ☒ A check in the amount of \$ 630.00 to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \_\_\_\_\_ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 07-1180. A duplicate copy of this sheet is enclosed.

d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

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 Troy, MI 48007-7021  
 (248) 647-6000

SIGNATURE

Ernest I. Gifford  
 NAME

20,644  
 REGISTRATION NUMBER